

Amendments to the Specification:

Please replace the title with the following amended title:

METHODS ~~OF FOR~~ COATING A SUBSTRATE AND ~~OF FORMING A~~
COLOURED~~COLORED~~ FILM~~[,]~~ AND AN ASSOCIATED~~RELATED~~ DEVICE

Please insert the following heading after the title:

BACKGROUND OF THE INVENTION

Please insert the following heading before paragraph [0001]:

1. Field of the Invention

Please replace paragraph [0001] with the following amended paragraph:

[0001] The present invention relates to methods of coating a substrate and of forming a ~~coloured~~colored film, and also to an associated device.

Please insert the following heading after paragraph [0002]:

2. Description of the Related Art

Please replace paragraph [0004] with the following amended paragraph:

[0004] It is known to create the gas inside the enclosure by heating a solid component therein, e.g. an aluminum wire, until the component evaporates. The ~~vapour~~vapor which deposits on the substrate then forms of the desired thin layer. Nevertheless, that method is not advantageous economically speaking, since it requires heating to a high temperature (e.g. with an aluminum wire, it is necessary to heat to a temperature of 1100°C).

Please add the following new paragraph after paragraph [0009]

[0009.1] There is, therefore, a need to overcome one or more of the problems of these systems and methods of the past.

Please insert the following heading before paragraph [0010]:

SUMMARY OF THE INVENTION

Please replace paragraph [0010] with the following amended paragraph:

[0010] A particular object of the invention is to reduce the cost of the above-described coating method and to ~~optimise~~optimize implementation of the method.

Please replace paragraph [0011] with the following amended paragraph:

[0011] To this end, the invention provides method of coating a substrate, the method being the type comprising:

- placing the substrate in an evacuated enclosure;
- forming a gas by evaporating a component that is liquid at atmospheric pressure and at ambient temperature;
- introducing the gas into the enclosure; and
- decomposing the gas;

the method being ~~characterised~~characterized by introducing a complementary gas into the enclosure for the purpose of reacting with the decomposed gas so as to form, on the substrate, at least one thin layer, referred to as thin layer A.

Please replace paragraph [0016] with the following amended paragraph:

[0016] The invention also provides a method of forming a ~~coloured~~colored film on a substrate, the method being the type in which at least two thin layers having different refractive indices are deposited on the substrate, the method being

characterized in that at least one of the thin layers is obtained by a coating method of the invention.

Please replace paragraph [0017] with the following amended paragraph:

[0017] The invention also provides a device for implementing a method of coating a substrate as defined above, the device being ~~characterised~~characterized in that it comprises:

- an enclosure for housing the substrate;
- the tank external to the enclosure for containing a liquid component;
- first admission means for admitting a gas into the enclosure and

comprising means for connecting the enclosure to a portion of the tank containing a ~~vapour~~vapor phase of the gas-forming liquid;

- means for decomposing the gas; and
- second admission means for admitting a complementary gas for reacting

with the decomposed gas.

Please add the following new paragraph after paragraph [0019]:

[0019.1] These and other objects and advantages of the invention will be apparent from the following description, the accompanying drawing and the appended claims.

Please insert the following heading before paragraph [0020]:

BRIEF DESCRIPTION OF THE ACCOMPANYING DRAWING

Please add the following new paragraph before paragraph [0020]:

[0019.2] Fig. 1 is a diagram of a substrate-coating device implementing a method of the invention.

Please insert the following heading after paragraph [0019.2]:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Please replace paragraph [0023] with the following amended paragraph:

[0023] Conventional means 16 serve to create, and where appropriate to measure, a vacuum inside the enclosure 14. These means 16 enable the pressure inside the enclosure to be reduced to a usual value in the range 1 ~~pascal~~Pascal (Pa) to 10^{-2} Pa (secondary vacuum). In this example, the vacuum-creation means 16 comprise a conventional diffusion pump, or any other (turbomolecular, cryogenic) pump capable of providing a secondary vacuum.

Please replace paragraph [0026] with the following amended paragraph:

[0026] The first admission means 18 further comprise a duct 24 forming means for connection to a tank 26 external to the enclosure 14. More precisely, the duct 24 connects the enclosure 14 to a portion of the tank 26 that contains a ~~vapour~~vapor phase of the liquid that forms the gas.

Please replace paragraph [0029] with the following amended paragraph:

[0029] It should be observed that the duct 24 connects the enclosure 14 to a portion of the tank 26 that is to contain a ~~vapour~~vapor phase of the gas-forming component 28.

Please replace paragraph [0049] with the following amended paragraph:

[0049] If it is it is desired ~~to color~~to color the substrate 12 before depositing the third thin layer as described above, then the substrate 12 is coated in a ~~coloured~~colored film comprising at least two thin layers having different refractive indices, at least one of the thin layers being obtained by using a sequence analogous to the first sequence of the method, but with a different liquid component.

Please replace paragraph [0050] with the following amended paragraph:

[0050] The ~~coloured~~colored film thus generally comprises about fifteen thin layers all formed using a sequence analogous to the first sequence of the method, alternating layers formed from methyl siloxane with layers formed from titanium isopropoxide. Selecting the thickness of the layers serves to give the substrate the desired color, by causing certain frequencies of incident light rays to be absorbed by the multi-layer film.

Please insert the following paragraphs after paragraph [0054]:

[0054.1] While the method herein described, and the form of apparatus for carrying this method into effect, constitute several embodiments of this invention, it is to be understood that the invention is not limited to this precise method and form of apparatus, and that changes may be made in either without departing from the scope of the invention, which is defined in the appended claims.

[0054.2] What is claimed is: